



PATENT
Customer No. 22,852
Attorney Docket No. 09286-0001-00000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
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| In re Application of: |) | |
| |) | |
| LAURENT OLIVIER |) | Group Art Unit: 1724 |
| |) | |
| Application No.: 10/673,634 |) | Examiner: Fred G. Prince |
| |) | |
| Filed: September 30, 2003 |) | |
| |) | |
| For: AUTOTROPHIC SULFUR |) | |
| DENITRATION CHAMBER AND |) | |
| CALCIUM REACTOR |) | |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicant brings to the attention of the Examiner the documents on the attached listing. This Information Disclosure Statement is being filed before the mailing of a first Office Action on the merits in the above-referenced application.

Copies of the listed foreign and non-patent literature documents are attached.

Copies of the U.S. patent publications are not enclosed.

Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

An English language abstract of Japanese Publication No.63-267424 is also enclosed.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicant determines that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

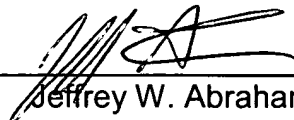
If there is any additional fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: January 6, 2005

By: _____

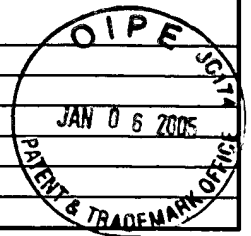

Jeffrey W. Abraham
Reg. No. 54,710

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(Use as many sheets as necessary)

Complete if Known

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| First Named Inventor | Laurent OLIVIER |
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| Sheet | 1 | of | 8 |
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U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

| Examiner Initials | Cite No. ¹ | Document Number | Issue or Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-------------------|-----------------------|--|---|---|---|
| | | Number-Kind Code ² (if known) | | | |
| | | 1,157,092 | 10/19/15 | DU RELL | |
| | | 1,526,179 | 02/10/25 | PARR et al. | |
| | | 3,271,304 | 09/06/66 | VALDESPINO et al. | |
| | | 3,847,375 | 11/12/74 | KUERTEN et al. | |
| | | 4,019,983 | 04/26/77 | MANDT | |
| | | 4,097,026 | 06/27/78 | HAINDL | |
| | | 4,210,534 | 07/01/80 | MOLVAR | |
| | | 4,281,592 | 08/04/81 | MAXSON et al. | |
| | | 4,333,263 | 06/08/82 | ADEY | |
| | | 4,537,682 | 08/27/85 | WONG-CHONG | |
| | | 4,820,052 | 04/11/89 | KRYSEL | |
| | | 4,858,519 | 08/22/89 | MECKLER | |
| | | 4,995,980 | 02/26/91 | JAUBERT | |
| | | 5,171,090 | 12/15/92 | WIEMERS | |
| | | 5,253,677 | 10/19/93 | SAND | |
| | | 5,322,222 | 06/21/94 | LOTT | |
| | | 5,403,522 | 04/04/95 | VON BERG | |
| | | 5,591,341 | 01/07/97 | JENSEN | |
| | | 5,647,983 | 07/15/97 | LIMCACO | |
| | | 5,664,733 | 09/09/97 | LOTT | |
| | | 5,705,072 | 01/06/98 | HAASE | |
| | | 5,766,454 | 06/16/98 | COX et al. | |
| | | 5,775,443 | 07/07/98 | LOTT | |
| | | 5,778,823 | 07/14/98 | ADEY et al. | |
| | | 5,851,398 | 12/22/98 | ADEY | |
| | | 5,857,773 | 01/12/99 | TAMMELIN | |
| | | 5,862,829 | 01/26/99 | SAND | |
| | | 5,863,128 | 01/26/99 | MAZZEI | |
| | | 5,894,995 | 04/20/99 | MAZZEI | |
| | | 5,927,338 | 07/27/99 | BOTICKI et al. | |
| | | 5,951,922 | 09/14/99 | MAZZEI | |
| | | 5,976,378 | 11/02/99 | SUMINO et al. | |
| | | 6,146,531 | 11/14/00 | MATHESON | |
| | | 6,159,364 | 12/12/00 | HIRANE | |

| | | | | | |
|--|---|----|---|-------------------------------|--------------------|
| IDS Form PTO/SB/08: Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Application Number</i> | 10/673,634 |
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| U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS | | | | | |
|---|--|---|----------|-----------------|--|
| | | 6,196,269 | 03/06/01 | MICHAEL et al. | |
| | | 6,297,033 | 10/02/01 | VAN RIJN et al. | |
| | | 6,331,300 | 12/18/01 | DYBAS et al. | |
| | | 6,471,489 | 10/29/02 | HUA | |
| | | 6,523,991 | 02/25/03 | MAKLAD | |
| | | Patent Application Publication No. US 20020166593 A1 | 11/14/02 | OLIVER | |
| | | Patent Application Publication No. US 20040035770 | 2/26/04 | EDWARDS, et al. | |
| | | Patent Application Publication No. US 20040178132 | 9/16/04 | NAKHLA, et al. | |

Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|---|-----------------------------------|---|--|--------------------------|
| Examiner Initials | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Translation ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | JP 63-267424 | 11/04/88 | JAPAN | | Abstract |
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| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|--------------------------|--|--------------------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Translation ⁶ |
| | | Bulletin No. 491A, Model 46550 Tank Mixing Eductors for Improved In-tank Solution Circulation and Agitation, Spraying Systems Co. [®] , pp. 1-6, 2000. | |
| | | Alkalinity Requirements and the Possibility of Simultaneous Heterotrophic Denitrification During Sulfur-utilizing Autotrophic Denitrification, pp. 1-2, 2000. Website Printout, Source: http://www.iwaponline.com/wst/04203/wst042030233.htm . | |
| | | Anoxygenic Photosynthetic Bacteria, Edited by R. E. Blankenship et al., pp. 1-3. Website Printout, Source: http://photoscience.la.asu.edu/photosyn/books/anoxymbk.html . | |

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| IDS Form PTO/SB/08: Substitute for form 1449A/PTO | | | | Complete if Known | |
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| | | | |
|--|--|---|--|
| | | Aquariums, pp. 1-3. Website Printout, Source: http://www.aquazoo.co.uk/page.cfm/type=systems/action=build/stage=2c . | |
| | | SOLER, CHRISTOPHE, "Nitrates Elimination by Autotrophic Denitration on Sulfur," Translated by Nicolas Will, Reefex. | |
| | | LANGOUET, MARC, "The Autotrophic Denitration on Sulfur - What's the Status?," Translated by Nicolas Will, Reefex, last update: 12/01/99. | |
| | | DARBI, A., et al., "Batch Studies on Nitrate Removal from Potable Water," Water SA, Vol. 28, No. 3, 07/03/02, pp. 319-322. | |
| | | Biogeochemical Cycles, Soil Microbiology, BIOL/CSES 4684, Virginia Polytechnic Institute and State University, pp. 1-5. Website Printout, Source: http://soils1.cses.vt.edu/ch/biol_4684/Cycles/Soxidat.html . | |
| | | Degassers, pp. 1-2. Website Printout, Source: http://www.aquasystems.co.uk/files/degassers/degasser.htm . | |
| | | LAMPE, D. G., et al., "Evaluation of Sulfur-Based Autotrophic Denitrification," Proceedings of the HSRC/WERC Joint Conference on the Environment, pp. 444-458, Albuquerque, NM, May 21-23, 1996. | |
| | | GIJS KUENEN, J. et al., The Genera Thiobacillus, Thiomicrospira, and Thiosphaera, (Excerpts from Chapter 138 of "The Prokaryotes," Edited by A. Balows et al., Vol. III, 2 nd Edition, 1992), pp. 1-6. Website Printout, Source: http://www.spaceship-earth.org/REM/THIOBAC.htm . | |
| | | MCB 229 Autotrophic Life, MCB 229 Lecture Notes, UConn., pp. 1-6. Website Printout, Source: http://www.sp.uconn.edu/~terry/229sp02/lectures/Lect13.html . | |
| | | The Mineral ARAGONITE, Website Printout, Source: http://mineral.galleries.com/Minerals/Carbonat/ARAGONIT/ARAGONIT.htm . | |
| | | The Mineral CALCITE, Website Printout, Source: http://mineral.galleries.com/minerals/carbonat/calcite/calcite.htm . | |
| | | DOLOMITE, Website Printout, Source: http://mineral.galleries.com/minerals/carbonat/dolomite/dolomite.htm . | |
| | | Denitrator. Website Printout, Source: http://www.aquavie.fr/english/produits/denitrateur.htm . | |

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Sheet 4 of 8

| | | |
|--|--|--|
| | Internal Denitrificator I 600, pp. 1-2. Website Printout, Source: http://www.aquavie.fr/english/produits/i600.htm . | |
| | Sulphur Denitrator on Cornice G300S, pp. 1-2. Website Printout, Source: http://www.aquavie.fr/english/produits/g300s.htm . | |
| | Gallery Denitrificator G 300, pp. 1-2. Website Printout, Source: http://www.aquavie.fr/english/produits/g300.htm . | |
| | External Denitrification F1000, pp. 1-2. Website Printout, Source: http://www.aquavie.fr/english/produits/f1000.htm . | |
| | Sulphur Denitrificator F1000S, pp. 1-2. Website Printout, Source: http://www.aquavie.fr/english/produits/f1000s.htm . | |
| | Removal of Nitrate-Nitrogen and Control of Nitrous Oxide by Sulfur Denitrification, pp. 1-4. Website Printout, Source: http://www.env.t.u-tokyo.ac.jp/~kiyo/column-batch-E.html . | |
| | Saltwater Aquariums, About Air Driven Counter-Current Skimmers, pp. 1-3. Website Printout, Source: http://saltaquarium.about.com/library/weekly/aa101701.htm . | |
| | Nitrates & How to Control Them, pp. 1-2. Website Printout, Source: http://saltaquarium.about.com/cs/nitratecontrol/a/aa072999.htm . | |
| | Nitrates & How to Control Them, Page 2 - Reduction Methods, Using Mangrove Plants, p. 1. Website Printout, Source: http://saltaquarium.about.com/cs/nitratecontrol/a/aa072999-2.htm . | |
| | Nitrates & How to Control Them, Page 3 - Reduction Methods, Using Denitrifying Filters, pp. 1-2. Website Printout, Source: http://saltaquarium.about.com/cs/nitratecontrol/a/aa072999-3.htm . | |
| | Nitrates & How to Control Them, Page 4 - Reduction Methods, Using Denitrator Coils, pp. 1-2. Website Printout, Source: http://saltaquarium.about.com/cs/nitratecontrol/a/aa072999-4.htm . | |
| | Nitrates & How to Control Them, Page 5 - Reduction Methods, A Multiple Step Water Change Procedure, pp. 1-2. Website Printout, Source: http://saltaquarium.about.com/cs/nitratecontrol/a/aa072999-5.htm . | |
| | CARNER, D., Protein Skimmers - Part 1, A Layperson's Guide to Protein Skimming, or How To Get the Gunk Out, What is Protein Skimming and How Does It Work?, pp. 1-2. Website Printout, Source: http://saltaquarium.about.com/cs/proteinskimers/a/aa052200.htm . | |

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| | | | |
|--|--|--|--|
| | | CARNER, D., Protein Skimmers - Part 1 (Continued), A Layperson's Guide to Protein Skimming, or How To Get the Gunk Out, Co-Current Skimming, pp. 1-2. Website Printout, Source: http://saltaquarium.about.com/cs/proteinskimmers/a/aa052200b.htm . | |
| | | CARNER, D., Protein Skimmers - Part 1 (Continued), A Layperson's Guide to Protein Skimming, or How To Get the Gunk Out, Counter-Current Skimming, pp. 1-2. Website Printout, Source: http://saltaquarium.about.com/cs/proteinskimmers/a/aa052200c.htm . | |
| | | Saltwater Aquariums, Protein Skimming - What Is It and How Does It Work?, pp. 1-3. Website Printout, Source: http://saltaquarium.about.com/cs/library/weekly1/a/aa111097skim.htm . | |
| | | Ozone Solutions, Inc., Sulfate and Hydrogen Sulfide in Water, pp. 1-3. Website Printout, Source: http://www.ozoneapplications.com/info/sulfur.htm . | |
| | | Sulfate Reducing Bacteria (SRB), pp. 1-2. Website Printout, Source: http://www.corrosion-doctors.org/Microbial/srb.htm , | |
| | | Sulphur Bacteria, pp. 1-3. Website Printout, Source: http://www.reef.edu.au/asp_pages/secb.asp?FormNo=2 . | |
| | | Sulfur Denitrification, pp. 1-2. Website Printout, Source: http://www.env.t.u-tokyo.ac.jp/~kiyo/sulfur-E.html . | |
| | | Drawing of 175 Gallon 60° Cone Bottom Poly Tank 32Dx68H, Product #0135-055, American Tank Company, 2002. Website Printout, Source: http://www.watertanks.com/images/documents/0135-055.gif . | |
| | | Geol 299 -- Earth System Science Lecture 28, 11/12/97, pp. 1-4. Website Printout, Source: http://www.sdsmt.edu/online-courses/geology/geol299/lect28.htm . | |
| | | DELAPARTE, S., et al., Denitrification Based on Sulfur at the Aquarium of MAAO, Sea Scope, Vol. 17, Fall 2000, pp. 1-3. Website Printout, Source: http://216.168.47.67/cis-fishnet/seascope/00SS1711.htm . | |
| | | Nitrification Denitrification at USFilter, p. 1, 3/26/04. Website Printout, Source: http://www.usfilter.com/h2o/nitrification_denitrification.htm . | |
| | | Sequencing Batch Reactor, pp. 1-2, 3/26/04. Website Printout, Source: http://www.usfilter.com/water/ProductDescription.asp?WID=25&PID=216 . | |
| | | Biological Wastewater Treatment at USFilter, pp. 1-2, 3/26/04. Website Printout, Source: http://www.usfilter.com/h2o/biological_wastewater_treatment.htm . | |

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|--|---|--|
| | Water Aeration at USFilter, pp. 1-2, 3/26/04. Website Printout, Source: http://www.usfilter.com/h2o/water_aeration.htm . | |
| | Groundwater Treatment at USFilter, p. 1, 3/26/04. Website Printout, Source: http://www.usfilter.com/h2o/groundwater_treatment.htm . | |
| | Biogeochemical Cycles; Soil Microbiology (BIOL/CSES 4684), pp. 1-2, 3/26/04. Website Printout, Source: http://soils1.cses.vt.edu/ch/biol_4684/Cycles/cycles.html . | |
| | Biogeochemical Cycles; Soil Microbiology (BIOL/CSES 4684), pp. 1-2, 3/26/04. The Sulfur Cycle. Website Printout, Source: http://soils1.cses.vt.edu/ch//biol_4684/Cycles/Scycle.html . | |
| | The Soil Environment; Soil Microbiology (BIOL/CSES 4684) , pp. 1-2, 3/26/04. Website Printout, Source: http://soils1.cses.vt.edu/ch//biol_4684/soils.html . | |
| | The Microbes; Soil Microbiology (BIOL/CSES 4684) , pp. 1-3, 3/26/04. Website Printout, Source: http://soils1.cses.vt.edu/ch/biol_4684/Microbes/Microbes.html . | |
| | Microbial Applications; Soil Microbiology (BIOL/CSES 4684), p. 1, 3/26/04. Website Printout, Source: http://soils1.cses.vt.edu/ch/biol_4684/Topics.html . | |
| | ENGEL, A.S., et al., Metabolic and Isotopic Diversity of Chemoautotrophic sulfur-oxidizing bacteria from Lower Kane Cave, Wyoming, p. 1, 3/26/04. Website Printout, Source: http://www.geo.utexas.edu/chemhydro/Annette/Kane/NSS202_abs2.htm . | |
| | EDWARDS, V.A., et al., Hydrogen Sulfide (H ₂ S) – The Relationship of Bacteria to its Formation, Prevention, and Elimination, pp. 1-2, 3/26/04. Website Printout, Source: http://www.alken-murray.com/H2SREM2.htm . | |
| | Sulfur Compounds Causing Odor and Corrosion, pp. 1-3, 3/26/04. Website Printout, Source: http://www.alken-murray.com/H2SREM3.htm . | |
| | The Nature of Sulfur Compounds and Their Formation, pp. 1-3, 3/26/04. Website Printout, Source: http://www.alken-murray.com/H2SREM4.htm . | |
| | Solving the Hydrogen Sulfide Odor Problem, pp. 1-2, 3/26/04. Website Printout, Source: http://www.alken-murray.com/H2SREM5.htm . | |
| | Bacterial Solutions to Hydrogen Sulfide (H ₂ S) Odors, pp. 1-4, 3/26/04. Website Printout, Source: http://www.alken-murray.com/H2SREM6.htm . | |
| | EDWARDS, Jr., K.J., The Sulfur Cycle, pp. 1-2, 3/26/04. Website Printout, Source: http://www.alken-murray.com/H2SREM7.htm . | |
| | Hydrogen Sulfide Hazards in Municipal and Industrial Accounts, pp. 1-3, 3/26/04. Website Printout, Source: http://www.alken-murray.com/H2SREM8.htm . | |
| | Toxicity of Hydrogen Sulfide Gas, pp. 1-2, 3/26/04. Website Printout, Source: http://www.alken-murray.com/H2SREM9.htm . | |
| | Hydrogen Sulfide Treatise References, pp. 1-2, 3/26/04. Website Printout, Source: http://www.alken-murray.com/H2Sref.htm . | |

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|--|--|--|--|
| | | Nitrates Elimination by Autotrophic Denitratation on Sulfur, pp. 1-2, 3/26/04. Website Printout, Source: http://mars.reefkeepers.net/USHomePage/USArticles/Soler/DenitratorSoufre.html . | |
| | | Chromatiaceae, pp. 1-2, 3/26/04. Website Printout, Source: http://www.sciencenet.com.au/frames/profiles/negative/families/chromati/family.htm . | |
| | | Treating H ₂ S Wells With Centaur® HSL Catalytic Carbon, pp. 1-2, 3/26/04. Website Printout, Source: http://www.tfn.net/DEnvironmental/centaur.html . | |
| | | McCLINTON, L., Hog Farm Converts Manure to Electricity, National Hog Farmer, 9/15/03m pp. 1-3. Website Printout, Source: http://nationalhogfarmer.com/magazinearticle.asp?magazinearticleid+182996&magazinearticleid... | |
| | | "Effluent to Asset," Nutrient Management Technologies Ltd., 49 pages, 3/17/04. Website Printout, Source: http://www.nutientmtl.com . | |
| | | Biofiltration Media, p.1, 2/28/02. Website Printout, Source: http://www.w-m-t.com/biofilt.asp . | |
| | | Aragonite Sand vs. Crushed Coral, pp. 1-2, 7/28/03. Website Printout, Source: http://www.geocites.com/CapeCanaveral/Hangar/6279/LetterAragoniteVsCrushedCoral.h... | |
| | | Green Sulfur Bacteria, Soil Microbiology (BIOL/CSES 4684), pp. 1-3, 3/26/04. Website Printout, Source: http://soils1.cses.vt.edu/ch/biol_4684/Microbes/greensul.html . | |
| | | BURNETTE, R., Purple Sulfur Bacteria, Soil Microbiology (BIOL/CSES 4684), pp. 1-3, 3/26/04. Website Printout, Source: http://soils1.cses.vt.edu/ch/biol_4684/Microbes/purprnb.html . | |
| | | WENTZEL, E., Thiobacillus, Soil Microbiology (BIOL/CSES 4684), pp. 1-4, 3/26/04. Website Printout, Source: http://soils1.cses.vt.edu/ch/biol_4684/Microbes/Thiobacillus.html . | |
| | | LICHTENFELS, M., Thermococcus, Soil Microbiology (BIOL/CSES 4684), pp. 1-4, 3/26/04. Website Printout, Source: http://soils1.cses.vt.edu/ch/biol_4684/Microbes/thermococcus.html , | |
| | | Biogeochemical Cycles, Soil Microbiology (BIOL/CSES 4684), SULFUR OXIDATION, pp. 1-5, 11/23/04. Website Printout, Source: http://soils1.cses.vt.edu/ch/biol_4684/Cycles/Soxidat.html , | |

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| IDS Form PTO/SB/08: Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Application Number</i> | 10/673,634 |
| | | | | <i>Filing Date</i> | September 30, 2003 |
| | | | | <i>First Named Inventor</i> | Laurent OLIVIER |
| | | | | <i>Art Unit</i> | 1724 |
| | | | | <i>Examiner Name</i> | Fred G. Prince |
| Sheet | 8 | of | 8 | <i>Attorney Docket Number</i> | 09286-0001-00000 |

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| | | | |
| | | CPL Carbon Link, The Active Force in CARBON, Activated Carbon from CPL Carbon Link: Activated Carbon Properties, pp. 1-2. Website Printout, Source: http://www.activated-carbon.com/1-3.html . | |
| | | Chemviron Carbon, What is Activated Carbon?, pp. 1-2. Website Printout, Source: http://www.chemvironcarbon.com/carbon/definition/whatis.htm . | |
| | | Chemviron Carbon, Adsorption, pp. 1-3. Website Printout, Source: http://www.chemvironcarbon.com/carbon/definition/adsorption.htm | |
| | | Activated Carbon in the Aquarium, pp. 1-3. | |
| | | Ultralife "Neutralizer" Automatic Denitrator, pp. 1-2. Website Printout, Source: http://www.ultralifedirect.com/denitrators.htm . | |
| | | WMT MBB, Moving Bed BioFilter, p. 1. | |
| | | Mazzei Injector Corporation, Mazzei AirJection® System, pp. 1-2, 7/21/03. Website Printout, Source: http://www.mazzei.net/industrial/wastewater_aeration.htm . | |
| | | Mazzei Injector Corporation, Mazzei® Injectors, pp. 1-2, 11/23/04. Website Printout, Source: http://www.mazzei.net/industrial/index.htm . | |
| | | Mazzei Injector Corporation, Mixing Eductors, pp. 1-2, 7/21/03. Website Printout, Source: http://www.mazzei.net/industrial/Tmixer.htm . | |
| | | Mazzei Injector Corporation, Ozone Contacting, p. 1, 7/21/03. Website Printout, Source: http://www.mazzei.net/industrial/ozone.htm . | |
| | | Vortex Ventures, Radial Eductor II, pp. 1-4. | |
| | | TeeJet® Eductor Nozzle, p. 78. | |
| | | TM, TurboMix™ Plastic Mixing Nozzles, p. 106. | |

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| Examiner Signature | | Date Considered | |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.